



ENTERED

1636

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/441,242A

DATE: 02/26/2002

TIME: 09:30:11

#13

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Output Set: N:\CRF3\02262002\I441242A.raw

3 <110> APPLICANT: Russo, Giandomenico  
 4 Croce, Carlo  
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 8 <130> FILE REFERENCE: 8666-008  
 10 <140> CURRENT APPLICATION NUMBER: 09/441,242A  
 11 <141> CURRENT FILING DATE: 1999-11-16  
 13 <150> PRIOR APPLICATION NUMBER: 08/330,272  
 14 <151> PRIOR FILING DATE: 1994-10-07  
 16 <160> NUMBER OF SEQ ID NOS: 12  
 18 <170> SOFTWARE: PatentIn version 3.0  
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 21 <211> LENGTH: 1324  
 22 <212> TYPE: DNA  
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 25 <220> FEATURE:  
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 29 <222> LOCATION: (49)..(387)  
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 34 1  
 35 ccg aca ctc ggg gag gca gtc acc gac cac ccg gac cgc ctg tgg gcc 105  
 36 Pro Thr Leu Gly Glu Ala Val Thr Asp His Pro Asp Arg Leu Trp Ala  
 37 5 10 15  
 38 tgg gag aag ttc gtg tat ttg gac gag aag cag cac gcc tgg ctg ccc 153  
 39 Trp Glu Lys Phe Val Tyr Leu Asp Glu Lys Gln His Ala Trp Leu Pro  
 40 20 25 30 35  
 41 tta acc atc gag ata aag gat agg tta cag tta cgg gtg ctc ttg cgt 201  
 42 Leu Thr Ile Glu Ile Lys Asp Arg Leu Gln Leu Arg Val Leu Leu Arg  
 43 40 45 50  
 44 cgg gaa gac gtc gtc ctg ggg agg cct atg acc ccc acc cag ata ggc 249  
 45 Arg Glu Asp Val Val Leu Gly Arg Pro Met Thr Pro Thr Gln Ile Gly  
 46 55 60 65  
 47 cca agc ctg ctg cct atc atg tgg cag ctc tac cct gat gga cga tac 297  
 48 Pro Ser Leu Leu Pro Ile Met Trp Gln Leu Tyr Pro Asp Gly Arg Tyr  
 49 70 75 80  
 50 cga tcc tca gac tcc agt ttc tgg cgc tta gtg tac cac atc aag att 345  
 51 Arg Ser Ser Asp Ser Ser Phe Trp Arg Leu Val Tyr His Ile Lys Ile  
 52 85 90 95  
 53 gac ggc gtg gag gac atg ctt ctc gag ctg ctg cca gat gac 387  
 54 Asp Gly Val Glu Asp Met Leu Leu Glu Leu Leu Pro Asp Asp  
 55 100 105 110

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58 acgctggggg ctgggaggaa tggacagaca gaggatgagc tctaccagcagg gctgcagga 567
59 cctgcctgta gccactctg ctcgccttag cactaccact cctgccaagg aggattccat 627
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78 &lt;220&gt; FEATURE:

79 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: cDNA sequence of TCL-1

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83 1 5 10 15

85 Leu Trp Ala Trp Glu Lys Phe Val Tyr Leu Asp Glu Lys Gln His Ala

86 20 25 30

88 Trp Leu Pro Leu Thr Ile Glu Ile Lys Asp Arg Leu Gln Leu Arg Val

89 35 40 45

91 Leu Leu Arg Arg Glu Asp Val Val Leu Gly Arg Pro Met Thr Pro Thr

92 50 55 60

94 Gln Ile Gly Pro Ser Leu Leu Pro Ile Met Trp Gln Leu Tyr Pro Asp

95 65 70 75 80

97 Gly Arg Tyr Arg Ser Ser Asp Ser Ser Phe Trp Arg Leu Val Tyr His

98 85 90 95

100 Ile Lys Ile Asp Gly Val Glu Asp Met Leu Leu Glu Leu Leu Pro Asp

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103 Asp

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111 &lt;220&gt; FEATURE:

112 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: genomic sequence of TCL-

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117 gggcgccggt cgggtgtcgt gctggccggg gcctcgagga aggcgcgggc cagctggggc 180

118 cgggtctgcg ttcccaggag ctgccaccgt tccaggagc aagtcaggcc gggacgttag 240

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Input Set : A:\8666008999.txt

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120 gcctgcgcgg gaccctcact tgccaccaag acccccacaaa acccccgcccc atcctgcctt 360
121 acgccccgcc ccaaggtcgt tctcccgacc cgggggtcccg ccccaagacc gtcctcccg 420
122 cccgccgctt ggtggcggcc gcatgctgcc cggatataaa gggtcggccc cacatcccg 480
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132 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: MTCPl protein

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135 &lt;222&gt; LOCATION: 108

136 &lt;223&gt; OTHER INFORMATION: Xaa = any amino acid

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140 1 5 10 15

141 Gln Glu Gly Ile Tyr Arg Asp Glu Tyr Gln Arg Thr Trp Val Ala Val

142 20 25 30

143 Val Glu Glu Thr Ser Phe Leu Arg Ala Arg Val Gln Gln Ile Gln

144 35 40 45

145 Val Pro Leu Gly Asp Ala Ala Arg Pro Ser His Leu Leu Thr Ser Gln

146 50 55 60

147 Leu Pro Leu Met Trp Gln Leu Tyr Pro Glu Glu Arg Tyr Met Asp Asn

148 65 70 75 80

149 Asn Ser Arg Leu Trp Gln Ile Gln His His Leu Met Val Arg Gly Val

150 85 90 95

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152 100 105

153 &lt;210&gt; SEQ ID NO: 5

154 &lt;211&gt; LENGTH: 4922

155 &lt;212&gt; TYPE: DNA

C--&gt; 156 &lt;213&gt; ORGANISM: Artificial

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159 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: genomic DNA of TCL-1

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163 2225, 2279, 2501, 2523, 2545, 2553, 2566, 2592, 2599, 3955, 3959,

164 3975, 3976, 3982, 3984, 3987, 3990, 3992, 4001, 4027, 4029, 4072,

165 4194, 4372, 4539, 4543, 4584, 4610, 4620, 4626, 4632, 4641, 4657,

166 4669, 4673, 4674, 4686, 4688, 4690, 4691, 4698, 4709, 4715, 4734,

167 4736, 4746, 4755, 4777, 4778, 4783, 4784, 4789, 4792, 4804, 4812,

168 4814, 4824, 4825, 4830, 4835, 4840, 4841, 4851, 4856, 4858, 4862,

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170 &lt;223&gt; OTHER INFORMATION: n = a, t, g or c

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177	agtcaggccg	ggacgttagc	gcctgcgcgg	gacctcact	tgccaccaag	rmccccacaa	300
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W--> 184	caggggcasc	ccctgggagc	ttgggatncc	ctaggaagg	cgaggactca	aggagcactc	720
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187	tcaaaggggt	ggaccagtg	cctgtggagt	gtgactataa	tggtgactac	agcaggcatt	900
188	ttctgggctt	cggggtccta	atccttaaaa	atgggtatct	ctaagtgact	catccatatg	960
189	gccgattatc	ggaatcatct	caggtgggtc	ccagaaatct	gtatttttaa	aaagaacccw	1020
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196	agtgttgayt	gtgtctctac	agatgggaaa	ctgaggcaca	cmaaatgtac	atttgtccga	1440
197	ggtaagattg	ctagtaggta	atgggggttg	aattctaggc	tcttaaccac	cacaaaaatc	1500
198	gcatttttat	tggcatttca	atttttttaa	tatgttttta	ctttaaaaaa	caagttaaat	1560
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222	acccctcccc	gactgctgcc	atctgagggt	ccctagggat	gggagaggct	tcctggaggc	3000
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226 gcaatctcag ctactgaaa gctctgcctc ccgggttcac accattctcc tgcctcagcc 3240
227 ctcgagtag ctgggactac aggcgcgccg caccacacct ggctaatttt tttttttttw 3300
228 ttwtwttttt tagtagagmc ggggtttcac cgtgttagcc aggatgggtc cgatctcctg 3360
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231 cagatattag atacgctatt gaggtttgrg gaaataagag taccaaaaact cagaaatgag 3540
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W--> 238 gtctgtagm ccactctgct cgccttagsa cctacsactc cwrccgasga ggatnccant 3960
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241 caccactca gctccgtgaa ttgtgagaa cacaaccgat tcacctgagc aggacctctg 4140
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243 ctgcctgck gtraacacgm sksyrmacag stgmswrccc gtaaacacgc ctgcaaacy 4260
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274 <223> OTHER INFORMATION: Description of Artificial Sequence: Rev III primer
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279 <210> SEQ ID NO: 8

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 02/26/2002

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TIME: 09:30:12

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Output Set: N:\CRF3\02262002\I441242A.raw

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L:109 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:129 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:156 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5  
L:161 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
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L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
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L:282 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8  
L:293 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9  
L:304 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10  
L:315 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11  
L:326 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12